



National Weather Service

Storm Data and Unusual Weather Phenomena



January 1996

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

McCracken County

.5 S Paducah to .5 SE Paducah	18	1012CST 1015CST	1	50	0	2	75K		Tornado (F1)
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A weak, short-lived tornado associated with a line of thunderstorms caused damage to two businesses. Most of the damage was to an auto body shop, which was destroyed. Two workers who were inside received minor cuts and bruises. A large window of a business next door was shattered. A stone pallet four feet high was moved.

MISSOURI, Southeast

Mississippi County

.5 S East Prairie to 1.5 NE East Prairie	18	0907CST 0911CST	2	50	0	1	750K		Tornado (F1)
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The tornado cut through the eastern edge of the city. Three businesses, including a popcorn factory and a tax service office, were heavily damaged. A welding company was destroyed. Several homes received light to moderate damage, mainly to roofs and windows. Uprooted trees fell on cars and power lines. Residents of the affected area remained without power for 12 to 24 hours. One person sustained minor cuts to her legs when a picture window was blown in. Outside the city limits, a barn was destroyed on Highway 105. This tornado struck the same spot where a young girl was killed by a tornado in the spring of 1981.



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March 1996

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Damage Crops	

MISSOURI, Southeast

Butler County

8 NNW Stringtown to 4 SE Hendrickson	05	1705CST 1720CST	12	75	0	0	40K		Tornado (F1)
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The tornado passed through a very sparsely populated section of the Mark Twain National Forest, causing considerable timber damage, but little structural damage. Two trailers were destroyed 5 miles southwest of Hendrickson, and house roofs were damaged 4 miles southeast of Hendrickson. The only other notable damage was about 8 miles north of Stringtown. The funnel was not in contact with the ground at all times, so the damage path was discontinuous.

Stoddard County

.5 W Idalia to 2 E Circle City	05	1805CST 1815CST	6	75	0	0	75K		Tornado (F1)
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The tornado damaged about 6 homes. A 7,000 bushel grain bin was thrown into a 66,000 volt transmission line. Several outbuildings and a barn were destroyed. Utility poles and large trees were snapped apart.



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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South

Perry County

1.5 SW Old Duquoin to 1.5 E Old Duquoin	19	1920CST 1924CST	1.8	100	0	0	50K	Tornado (F1)
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Franklin County

1.5 W Mulkeytown to .7 NW Mulkeytown	19	1924CST 1926CST	0.7	100	0	0	20K	Tornado (F1)
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A church was damaged, a house roof was damaged, and several small outbuildings were destroyed. A tractor trailer truck was overturned in Franklin County. Tree damage was widespread.

Jefferson County

8 E Ina to 10 E Ina	19	2015CST 2018CST	2	400	0	0	200K	Tornado (F3)
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Hamilton County

8 WSW Piopolis to 10 NE Piopolis	19	2018CST 2028CST	13	400	0	0	2.8M	Tornado (F3)
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Wayne County

4 SW Barnhill to 2 SW Barnhill	19	2028CST 2030CST	2	400	0	0	200K	Tornado (F3)
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Total damage was estimated around 3 million dollars. The tornado destroyed 3 homes and caused moderate to severe damage to 50 others. About 45 barns and outbuildings were damaged or destroyed, along with 60 to 70 grain bins. The small community of Piopolis was nearly devastated. The intensity of the tornado was just weak (F0 or F1) during most of its life, but it briefly reached F3 intensity.

White County

.7 W Carmi Muni Arpt to .5 NE Carmi Muni Arpt	19	2030CST 2033CST	1	100	0	0	1M	Tornado (F1)
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The short-lived tornado caused extensive damage to aircraft hangers and aircraft at the Carmi airport. Ten hangars were destroyed, along with eight small planes and an automobile. The windows were blown out of a church half a mile northeast of the airport, and one of its walls was damaged. Metal debris from the airport littered the church property.

INDIANA, Southwest

Warrick County

2 W Yankeetown to .3 S Yankeetown	19	2240CST 2244CST	2	100	0	0	500K	Tornado (F2)
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The damage path was from the Ohio River east across a major manufacturing plant. The tornado tracked just south of State Route 66 and immediately north of the Ohio River. About \$250,000 damage occurred to one building at the plant. Five railroad box cars were overturned, 2 metal culverts were lifted and moved 25 feet, and several other buildings at the plant were damaged. Two mobile homes were destroyed.

Pike County

1 SSW Arthur to .3 SSE Arthur	19	2242CST 2245CST	0.8	100	0	0	200K	Tornado (F2)
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Numerous trees were uprooted or snapped off. The roof was lifted off one house, which was destroyed. Ten other houses received minor to moderate wind damage. Between 10 and 15 barns and small sheds were demolished.



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					Killed	Injured	Property	Crops	

MISSOURI, Southeast

Perry County

1 N Perryville to Menfro	19	2030CST 2105CST	11.5	175	0	0	5M	Tornado (F3)
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The tornado destroyed 13 homes and caused major structural damage to 5 others. 63 other homes received minor or moderate structural damage. A total of 69 outbuildings and 6 businesses were damaged or destroyed. The Salvation Army and Red Cross were called in to provide food and shelter. State highways and county roads were cleared of tornado debris and open for travel within 24 hours. Extensive damage to utility lines resulted in prolonged power outages lasting a day or two. The F3 damage occurred just west of Menfro, shortly before the tornado dissipated.

Ripley County

3 WSW Doniphan to 5 ESE Doniphan	19	2100CST 2115CST	10	100	0	0	100K	Tornado (F2)
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A mobile home was overturned. Large trees fell on cars and homes.

Butler County

8 WNW Poplar Bluff to 4 WNW Poplar Bluff	19	2105CST 2109CST	2.5	75	0	0	300K	Tornado (F2)
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The tornado destroyed numerous barns, damaged several houses, and uprooted hundreds of trees. At one farmstead, the tornado lifted a 40-foot section of a 1 by 2 foot concrete base that had been under a wooden barn. Farm equipment such as tractors and hay balers were damaged. Large grain bins and other items were blown over a hundred feet. 18 utility poles were destroyed, knocking out power for 12 to 18 hours. A portion of U.S. Highway 60 was closed for several hours because of debris in the road.

Stoddard County

.5 W Bernie to Bernie	19	2203CST 2204CST	0.6	50	0	0	700K	Tornado (F1)
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This short-lived tornado damaged several houses. A house trailer was destroyed. A couple schools in Bernie lost their roofs. In the city park, many trees were blown down, and a pavilion collapsed. A large grocery store lost part of its roof. Signs were blown down.



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May 1996

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					Killed	Injured	Property	Crops	

INDIANA, Southwest

Gibson County

2 S Princeton to 2.5 SE Princeton	03	1915CST 1917CST	0.8	50	0	0	5K		Tornado (F0)
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A funnel cloud briefly touched down. The only reported damage was to a few trees. Most of the damage caused by this storm was due to hail as large as baseballs.

Spencer County

Dale to 1.5 NE Dale	03	1955CST 2000CST	1	75	0	0	50K		Tornado (F1)
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Barns were blown down, a business was damaged, and roofs were blown off.

Warrick County

1 NE Folsomville to 2 NE Folsomville	03	2001CST 2003CST	1	75	0	0	5K		Tornado (F0)
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No significant damage was reported. The tornado was confirmed by emergency services personnel.

Pike County

2 NW Cato to 1 E Winslow	26	1644CST 1706CST	5	75	0	0	50K		Tornado (F0)
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The tornado tracked mainly through open country. Some structural damage occurred in East Winslow and near Cato.



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June 1996

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

INDIANA, Southwest

Warrick County

.5 S Stevenson to .7 S Stevenson	09	1520CST 1521CST	0.2	50	0	0	30K	Tornado (F1)
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After a survey of the damage by the National Weather Service, it was determined a tornado briefly touched down 200 yards east of the Vanderburgh County line. A barn roof and some walls were lifted and strewn in a counterclockwise pattern around the damage site. A couple of trees were snapped.



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March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property Damage	Estimated Crops	Character of Storm
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KENTUCKY, Southwest

Mclean County

**3 N Livermore to
3.3 N Livermore**

01

**1801CST
1804CST**

0.3

50

0

0

Tornado (F0)

A state trooper witnessed a brief tornado touchdown in open country moving east near Highway 431. No damage could be found.



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June 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

INDIANA, Southwest

Vanderburgh County

2 NW Evansville to 3.5 N Evansville	17	1728CST 1730CST	2	100	0	0	500K		Tornado (F1)
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The tornado occurred in a densely populated suburban area called North Park, about 2 miles northwest of downtown Evansville. There were many witnesses, so the event was well documented by photographers and eyewitnesses. Although the tornado was unusual in the respect that it developed from a non-severe thunderstorm in a weakly sheared environment, it caused considerable damage in such a populated setting. A survey conducted by National Weather Service personnel determined the damage path was narrow, well defined, and highly convergent. Most of the damage was a result of trees falling on houses (at least a dozen) and causing roof damage and some structural damage. The neighborhood was 40 years old so most trees were full grown. A liquor store, bowling alley, and grocery store suffered primarily roof damage due to winds estimated near 100 MPH. About 2,800 people were without power for several hours. The tornado was well photographed by personnel at the Evansville Airport.

KENTUCKY, Southwest

Muhlenberg County

6 SW Greenville to 2 E Greenville	13	1713CST 1725CST	6	120	0	2	120K		Tornado (F2)
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The tornado tracked through wooded farmlands, so damage was relatively light. The most severe damage occurred to a mobile home and a log home located about 500 feet apart. The mobile home practically disintegrated. The entire structure was lifted from its site and deposited 50 to 100 feet away as a pile of debris. The log home was completely unroofed. Considerable damage occurred to the walls and interior of the log home. Two occupants of the log home who had taken shelter in a small room near the exterior of the house were injured. They sustained very minor cuts and bruises due to falling debris. Several other homes in the area received minor damage. Vehicles were thrown into each other. Numerous trees were down. The maximum winds in this tornado were close to F-3 intensity, probably near 150 MPH.

Christian County

5 SE Hopkinsville	17	1620CST 1622CST	1.3	50	0	0	100K		Tornado (F1)
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The primary damage was to a tobacco barn, which was destroyed. At least three other barns received some roof damage. The damage path was narrow and well-defined. A nearby wheat field showed the appearance of several smaller vortices with a convergent path of damage associated with each one. An eyewitness gave a very detailed description of the tornado, very similar to the one in the Oak Grove area. He said there was more than one vortex and that each one formed and dissipated rather quickly. He estimated that the individual vortices were as little as 6 feet across. This tornado event and the Oak Grove event were both associated with non-severe thunderstorms.

Christian County

Oak Grove	17	1823CST 1824CST	0.7	30	0	2	200K		Tornado (F1)
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June 1997

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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Several eyewitnesses including at least a half dozen policemen or firemen had nearly identical reports of very narrow rope shaped vortices descending to the ground briefly. There were at least two separate occurrences in the Oak Grove area with another occurring adjacent to the Fort Campbell air field. A 52 MPH wind was reported at the air field, although it was not thought to be in the direct path of the funnel cloud. Some descriptions sounded like the funnel clouds formed in conjunction with towering cumulus clouds instead of cumulonimbus clouds (thunderstorms). Nobody remembered hearing any thunder although a minority reported some rain. A television station in Hopkinsville obtained videotape of the Oak Grove tornado. The primary damage was in a mobile home park, where a mobile home was overturned and destroyed. Two occupants of the mobile home were slightly injured, but did not require treatment at any hospital. Other mobile homes in the park were slightly damaged. An estimated 130,000 dollars damage occurred at the Fort Campbell Army Post due to a brief funnel touchdown. Most of the damage at the base occurred in the shop area of the Directorate of Logistics building, where it tore off the roof, exposing expensive test equipment. The upper part of a wall in an adjacent building was damaged.

MISSOURI, Southeast

Scott County

1 S Salcedo

13 1910CST 0.1 25 0 0 Tornado (F0)

A weak tornado briefly touched down in an open field. No damage was reported.

Stoddard County

1 N Essex

17 1145CST
1245CST 0.2 30 0 0 Tornado (F0)

A weak tornado briefly touched down in an open farm field. No damage occurred. Numerous funnel clouds were reported on this day, several of which briefly touched down. The funnels were associated with non-severe thunderstorms

Butler County

5 W Qulin to
4.5 W Qulin

17 1830CST
1832CST 0.5 30 0 0 Tornado (F0)

Law enforcement personnel reported a funnel cloud briefly touched ground in open country. No damage was reported. Numerous funnel clouds were reported during the day, none of which were spawned by severe thunderstorms



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July 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

MISSOURI, Southeast

Wayne County

Clubb **08** **1741CST** **0.2** **30** **0** **0** **Tornado (F0)**

A funnel cloud briefly touched down near Clubb, shearing off the tops of large trees in different directions.

New Madrid County

Howardville **16** **1147CST**
 1151CST **0.2** **30** **0** **0** **Tornado (F0)**

A nearly stationary tornado was observed for a few minutes. Several law enforcement personnel confirmed the tornado. The brief tornado, which was not associated with any severe thunderstorms, caused no damage over open farmland.

New Madrid County

Conran **16** **1215CST** **0.2** **20** **0** **0** **Tornado (F0)**

Law enforcement officials reported a brief touchdown. The tornado was not associated with a severe thunderstorm. No damage was observed.



National Weather Service

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August 1997

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

INDIANA, Southwest

Vanderburgh County

5 W Evansville	18	1214CST 1223CST	0.5	40	0	0	Tornado (F0)		
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A funnel cloud was sighted by numerous witnesses over western Vanderburgh County. Air traffic control personnel at the Evansville Airport tower reportedly saw the funnel cloud drop below the tree line. Videotape was taken of the funnel cloud briefly touching down. The weak tornado apparently caused no damage.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
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ILLINOIS, South

Johnson County

2 SW Cypress to 1 S Cypress	13	2009CST 2011CST	1	40	0	1	60K	Tornado (F1)
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A short-lived tornado began along the Union County line, just southwest of Cypress, and tracked east along a rural road before dissipating at State Route 37. A small barn, about 150 square feet in area, was blown across the road. Some pieces of wood were stuck in the ground at an angle up to 200 feet away. One house sustained siding damage. Another house had a portion of its roof lifted up and placed back down again. A bedroom in the house was damaged. In addition, very minor damage occurred to a greenhouse, an abandoned house, and a couple of mobile homes. Trees, power lines, and power poles were down along the path of the tornado. Large trees, two feet in diameter, were blown down in between two mobile homes. Along Route 37, six power poles were snapped off about two feet above the ground. A female motorist was injured when her moving vehicle was struck by a falling tree. She was treated and released from a local hospital for minor injuries. Just north of Cypress, several large trees were down, but this damage was likely due to straight-line thunderstorm winds.

Perry County

4 NW Swanwick	15	1732CST	1	50	0	0		Tornado (F0)
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A funnel cloud briefly touched down in farm fields. The weak, short-lived tornado was videotaped by a storm chaser.

Jefferson County

.5 NW Cravat to 4.5 NE Cravat	15	1843CST 1849CST	5	250	0	1	400K	Tornado (F2)
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Six houses sustained major damage in Cravat. One house was moved about 10 feet off of its foundation with the back portion of the house destroyed. One truck and some farm machinery were tossed 50 feet. Several small barns and outbuildings were destroyed. A truck driver sustained broken ribs when his tractor trailer was lifted up by the tornado. The trailer was lifted up into a vertical position before being set back down and rolling over. Several mobile homes were overturned.

Jackson County

2 W De Soto to 1.7 W De Soto	15	2036CST	0.3	30	0	0	0	Tornado (F0)
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A weak short-lived tornado was observed by storm spotters. The tornado apparently did little or no damage.

Jackson County

1.5 NW (Mdh)Crbandl/Mr 1 N (Mdh)Crbandl/Mrfys	15	2134CST	0.4	30	0	0	0	Tornado (F0)
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Illinois State Police reported a brief tornado touchdown near the Southern Illinois Airport between Murphysboro and Carbondale. There was no apparent damage.

INDIANA, Southwest

Pike County

4 S Petersburg to 4 SSE Petersburg	07	2051CST 2053CST	0.5	40	0	0		Tornado (F0)
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A weak, short-lived tornado was confirmed by law enforcement personnel near the intersection of State Routes 56 and 61. The tornado apparently occurred in open fields and caused no reported damage.

Pike County

4 NW Otwell to 4 N Otwell	15	2315CST 2320CST	4	50	0	0	500K	Tornado (F2)
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April 1998

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Damage Crops	

INDIANA, Southwest

The tornado destroyed two large barns and five or six smaller outbuildings. Significant damage occurred to two farm houses. Several trees and power poles were snapped off. Some two-by-fours and a large saw blade were embedded in homes.

KENTUCKY, Southwest

Graves County

Pottsville to
Viola

13	2213CST 2223CST	7	100	0	0	200K	Tornado (F1)
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A tornado caused considerable damage to residences, automobiles, and trees in an area roughly following Kentucky 408, north of Mayfield. Two vehicles were overturned. A mobile home was demolished. Several homes sustained damage to siding and roofing. An outbuilding was blown across a roadway. Large trees were blown down across Kentucky Route 945, blocking it for several hours.

MISSOURI, Southeast

Perry County

.5 E Crosstown to
.7 E Crosstown

15	1950CST	0.2	20	0	0	0	Tornado (F0)
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Storm spotters reported a brief tornado near Crosstown. No damage was reported.

Cape Girardeau County

.5 NW Pocahontas to
.5 NE Pocahontas

15	2243CST 2244CST	0.6	40	0	0	10K	Tornado (F0)
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Storm spotters reported a tornado near Pocahontas was only briefly on the ground.



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May 1998

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

ILLINOIS, South

Wabash County

2 W Allendale to
1.8 W Allendale

03	1506CST	0.2	40	0	0	20K	Tornado (F0)
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A cold air funnel briefly touched ground in northeast Wabash County. Along the quarter-mile long damage path, a trailer was moved, and several small trees were broken.



National Weather Service

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June 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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ILLINOIS, South

Wabash County

1 N Patton to
1 NNE Patton

12 1909CST 0.3 30 0 0 2K Tornado (F0)

A weak, short-lived tornado downed some trees, but no structural damage was reported.

Williamson County

5 S Marion to
6 SSE Marion

12 1915CST 2 100 0 0 100K Tornado (F1)

The tornado touched down half a mile east of Illinois Route 37 in the community of Hudgens and moved east-southeast for 2 miles. Damage occurred at several residences in Hudgens. At the first residence, several trees were uprooted, a couple of which were 50 feet tall. Siding on a barn was damaged by flying debris. At a second residence, decking was ripped off a porch, and shingles were blown off. Several large trees were snapped, and a dog house was blown about 40 feet. At a third residence, a barn was demolished with debris scattered in all directions. A vehicle was damaged by flying lawn furniture. At a fourth residence, the fascia on the west eave of the house was found about 300 feet northwest of the house wrapped around a tree trunk. At the fifth residence in Hudgens, a huge oak tree fell on top of a camper, and two other large oak trees were snapped. The only other damage, which occurred at a residence near the end of the track, was significant. A tree caused major roof damage to the house, and a nearby barn lost siding and roofing. Loose objects such as trash cans, lawn chairs, and child's toys were found up to a quarter mile away. Witnesses reported seeing rotating clouds about the time the damage occurred. Peak wind speeds were estimated between 90 and 100 MPH.

Johnson County

2 E Tunnel Hill to
2.3 E Tunnel Hill

14 1635CST 0.3 30 0 0 5K Tornado (F0)

The brief touchdown occurred just east of Tunnel Hill. Numerous trees were down, and a garage was damaged.

Wayne County

2 S Cisne to
2.5 SE Cisne

22 1944CST 0.5 40 0 0 Tornado (F0)

A brief tornado touchdown was observed by emergency personnel. The touchdown was in open country and produced only tree damage.

KENTUCKY, Southwest

Muhlenberg County

1 N Powderly to
Beechmont

10 1612CST 7.5 50 0 0 100K Tornado (F1)

A rotating thunderstorm tracked from near the Hopkins County line at Bremen southeast across most of the county. A funnel cloud associated with this storm touched down in the Central City/Powderly area and lifted near Beechmont. The main effect of this storm was downed trees and limbs. About a half dozen buildings were damaged by falling trees or limbs. A garage collapsed in Powderly. Several vehicles were damaged, including two that were blown off the road. An estimate of the number of trees down ranged between 50 and 100. No injuries were reported.



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

INDIANA, Southwest

Vanderburgh County

Daylight	07	1328CST 1329CST	0.1	30	0	0	5K		Tornado (F0)
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A very brief, weak tornado was observed by several people. The only damage was to a 60 by 50 foot section of steel roof fastened to wooden trusses. The damaged building was a construction company.



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November 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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ILLINOIS, South

Gallatin County

Junction

10 0805CST 0.2 .1 0 0 20K Tornado (F0)

A weak, short-lived tornado was witnessed by a sheriff deputy and two residents of the community. The damage path, which was 800 feet long and 400 feet wide, was marked by uprooted trees and overturned campers.



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January 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
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ILLINOIS, South

Alexander County

.5 E Thebes to 3 ENE Mc Clure	21	1835CST 1847CST	7	400	0	0	150K	Tornado (F2)
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Union County

2.5 SE Reynoldsville to 3 E Reynoldsville	21	1847CST 1850CST	1	200	0	0	20K	Tornado (F2)
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Top winds were estimated near 130 MPH. Damage was relatively light due to the track of the tornado over rural portions of those counties. A few sheds and barns were destroyed, and a house sustained moderate damage. A fairly large metal barn, about 100 feet by 50 feet, was blown into a stand of trees, but remained fully intact in the upper reaches of the trees. Tree damage was complete along some wooded portions of the track. The tornado formed less than a half mile east of Thebes, and then tracked seven miles through the Shawnee National Forest. The damaged structures were near Thebes and Gale.

Union County

.5 NE Anna to .8 NE Anna	21	1913CST 1914CST	0.3	30	0	0	1K	Tornado (F0)
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A state police officer reported a brief touchdown near Anna. Damage was minimal, with just some fencing blown down

Pope County

4 SSW Golconda to 4 S Golconda	22	0115CST 0119CST	1.5	150	0	0	800K	Tornado (F2)
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A tornado with top winds estimated near 125 MPH struck a development of cabins and small summer homes in the Shawnee National Forest, at a place called Ropers Landing. The tornado damaged or destroyed about 30 of these structures and caused extensive tree damage. About six cabins were completely demolished. The homes were unhabited in the middle of winter. Ropers Landing is located at the base of a bluff along the Ohio River. The tornado lifted as it crossed the Ohio River.

KENTUCKY, Southwest

Ballard County

5 ENE Wickliffe to 6 ENE Wickliffe	22	0052CST 0054CST	1	100	0	6	200K	Tornado (F1)
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This tornado was rated on the high end of the F-1 category, with top winds near 105 MPH. A mobile home containing a family of six was demolished. All six occupants escaped with only minor to moderate injuries. One small child was not discovered in the debris for over 30 minutes. Rescue workers had difficulty reaching the home due to fallen trees and barns blown onto roadways.

McCracken County

5 WNW (Pah)Barkley A 4 NW (Pah)Barkley Arp	22	0100CST 0103CST	1.3	100	0	2	500K	Tornado (F1)
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The tornado formed near the Ballard/McCracken County line, just east of Kevil. It tracked northeast for about a mile through the Lone Lake subdivision. In the Lone Lake subdivision, three mobile homes were blown off their foundations, and two other mobile homes were severely damaged. Three garages, two cars, and a camper were destroyed. Closer to the beginning of the tornado track along the Ballard County line, two barns were destroyed, and four houses received minor damage. Top winds in this tornado were estimated near 100 MPH.



National Weather Service

Storm Data and Unusual Weather Phenomena



January 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
<u>MISSOURI, Southeast</u>								
Scott County								
.5 W Sikeston to .5 N Sikeston	21	1650CST 1653CST	0.8	40	0	0		Tornado (F0)
A brief tornado touchdown was reported, with no damage.								
Butler County								
Fagus	21	1732CST 1733CST	0.3	30	0	0		Tornado (F0)
A brief tornado touchdown was observed, with no damage.								
New Madrid County								
.3 S Morehouse to .3 SE Morehouse	21	1750CST 1751CST	0.3	30	0	0		Tornado (F0)
A brief tornado touchdown was reported, with no damage.								
Stoddard County								
4 E Essex to 4.2 E Essex	21	1800CST 1801CST	0.2	30	0	0		Tornado (F0)
A brief tornado touchdown occurred, with no damage reported.								
Scott County								
1.5 S Benton to 1 E Benton	21	1815CST 1818CST	0.8	40	0	0	50K	Tornado (F1)
A brief tornado touchdown occurred, with winds estimated near 80 MPH. A mobile home was overturned, and sheds were unroofed. The damage was mainly on County Highway 333.								
New Madrid County								
1 NE Morehouse to 2 NE Morehouse	21	2207CST 2209CST	1	100	0	0	10K	Tornado (F1)
Scott County								
1 SW Sikeston to .5 W Sikeston	21	2209CST 2210CST	0.7	50	0	0		Tornado (F1)
The tornado contained top estimated winds of 75 MPH. Numerous trees were down in the Morehouse area.								
Stoddard County								
4 NW Dexter to 5 NW Dexter	21	2240CST 2243CST	0.5	80	0	0	50K	Tornado (F1)
The brief tornado touchdown overturned a mobile home, causing extensive damage. A tool shed was blown away, utility poles were down, and trees were uprooted. Top winds were estimated near 80 MPH.								
Scott County								
Perkins to .2 N Perkins	21	2300CST 2301CST	0.2	30	0	0		Tornado (F0)
A weak tornado briefly touched down near Perkins. No damage was discovered.								
Scott County								
3 W Morley to 2.5 W Morley	21	2305CST 2308CST	0.5	30	0	0	150K	Tornado (F1)
A brief tornado on State Highway 91 overturned a mobile home, demolished a barn and shed, and blew down a grain bin. Farm equipment was damaged. Siding was blown off a house.								



National Weather Service

Storm Data and Unusual Weather Phenomena



February 1999

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Union County

.5 E Morganfield to 3 NE Morganfield	27	1600CST 1605CST	3	100	0	2	200K		Tornado (F1)
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Three mobile homes in a mobile home park were destroyed, and 3 others received major damage. Several garages and small storage buildings were destroyed. Two occupants of one of the mobile homes were hospitalized for cuts, bruises, and torn ligaments. Top winds were estimated near 110 MPH.



National Weather Service

Storm Data and Unusual Weather Phenomena



April 1999

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

ILLINOIS, South

Massac County

4 NW Metropolis 05 1720CST 0.2 40 0 1 10K Tornado (F0)

A weak tornado briefly touched down in the vicinity of U.S. 45 between Joppa and Metropolis. The tornado occurred just outside of a coal terminal. A 9-by-9 foot guard shack on the coal terminal property was destroyed when the roof was blown off followed by the walls collapsing. A guard inside the shack was treated at a hospital for cuts caused by flying glass. A house across the street had very minor structural damage on its east side, with debris blown from the north to the west side of the house. The tornado was likely at tree-top level. A coal terminal worker reported seeing a "funnel." This tornado was associated with a severe thunderstorm complex that originated over the Mississippi River counties of western Kentucky and moved northeast.

MISSOURI, Southeast

Ripley County

.5 SW Naylor to
.5 NE Naylor 05 1838CST
1841CST 1 250 0 0 30K Tornado (F1)

National Weather Service surveys revealed a short-lived tornado passed through the Naylor area. Witnesses reported the lowest portion of the funnel cloud was not visible near the ground, however, damage along the path of the funnel indicates the circulation was in contact with the ground. The funnel may have been difficult to see given the time of day, which was just after sunset. The first damage was to a metal building at a farm located 1/2 mile southwest of Naylor. Further northeast, the roof of the Lucy Lee Clinic was damaged, shingles were damaged on a few houses, and trees and power lines were down. One of the trees fell on a house. Top winds were estimated near 80 MPH.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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INDIANA, Southwest

Pike County

1 W Arthur to 1.8 NW Arthur	05	1740CST 1742CST	1.3	150	0	0	15K		Tornado (F2)
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A tornado with estimated top winds of 130 MPH produced a damage path about a mile long. Since the track was through rural areas, the only structural damage was to a garage. Many trees were down.

Pike County

2.5 SW Campbelltown to .5 NE Campbelltown	05	1745CST 1750CST	3	200	0	0	100K		Tornado (F2)
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The tornado destroyed a mobile home and damaged about a dozen houses. Top winds were estimated near 130 MPH. There was extensive tree damage.



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1999

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Calloway County

5 S Murray to 1 NW New Concord	01	1842CST 1853CST	9	400	0	0	100K	Tornado (F1)
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The tornado formed along U.S. Highway 641 about 5 miles south of Murray and tracked east into the New Concord area. The tornado was rated F-1 intensity with top winds near 110 MPH. Numerous trees were uprooted or snapped off along the path of the tornado. Some of the trees fell on utility lines, vehicles, and buildings. The area was sparsely populated, so damage was relatively light considering the path length and width. At least a dozen or so homes received some damage, mostly light roof or siding damage. There was moderate damage to at least a couple homes. Several barns were damaged. At one residence, a porch was damaged, along with other items such as a television antenna, fence, and swimming pool. Sheet metal from a barn was blown into treetops.



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Crittenden County

Crayne to 5 NE Shadey Grove	03	1508CST 1523CST	15	440	0	3	5M		Tornado (F3)
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Although the tornado tracked about 15 miles through the county with estimated top winds of 160 MPH, damage was relatively light due to the rural nature of the land. Based on aerial surveys, structures that were heavily damaged or destroyed included 85 homes, 5 to 10 businesses, and 50 to 80 barns and outbuildings. Three people in the Crayne area were transported to a hospital for non life-threatening injuries. About 35 National Guard personnel were deployed to Crittenden County, primarily for damage assessment and security operations. An emergency shelter was opened to accommodate roughly 25 homeless persons.

Webster County

3 SW Diamond to 6 NE Diamond	03	1523CST 1532CST	9	440	0	0	2.4M		Tornado (F3)
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This was one of many rural structures that was destroyed in Crittenden County.

The tornado caused extensive damage in the community of Diamond. Both Crittenden and Webster Counties were declared federal disaster areas.

Daviess County

Rome to Owensboro	03	1606CST 1612CST	7	880	0	18	64M		Tornado (F3)
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National Weather Service

Storm Data and Unusual Weather Phenomena



January 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest



This Owensboro apartment complex was heavily damaged in the tornado.

The tornado first touched down near the community of Rome, just southwest of Owensboro, and entered the city near the southern boundary of Owensboro Airport. The tornado tracked northeast through the heart of Owensboro before dissipating on the east side of town. Peak winds were estimated at 180 MPH. Since the tornado path was mostly through densely populated residential and commercial areas, damage was in the tens of millions, but injuries were surprisingly few. Of the 18 injuries, one was critical, and the rest were relatively minor. The critically injured person was in a home near the beginning of the damage path. This person sustained broken vertebrae and numerous cuts and bruises. Owensboro landmarks heavily damaged by the tornado included Apollo High School, Kentucky Wesleyan College, and the Winn-Dixie Store. Damage to the 12 buildings at Kentucky Wesleyan College was estimated to be near 5 million dollars. Small to mid size automobiles were tossed about by the wind. Damage to utility lines was extensive, and repairs took about 10 days to complete. Final damage tallies showed about 1200 homes and businesses sustained damage. Of those 1200 structures, 101 were totally destroyed and 573 sustained major damage. Owensboro was declared a federal disaster area. An emergency shelter accommodated roughly 150 persons, including many from local nursing homes. Owensboro schools were closed for a week.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured		Estimated Damage Property Crops	Character of Storm
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KENTUCKY, Southwest

Calloway County

.5 W Murray

23 1715CST 0.1 20 0 0 Tornado (F0)

Two reliable witnesses reported a very brief tornado touchdown on the west side of Murray, just north of Highway 121. The funnel briefly touched a house roof, but no real damage occurred.

Calloway County

3 N Almo to
1.5 N Almo

23 1730CST
1736CST 1.5 100 0 0 50K Tornado (F1)

A relatively weak F-1 tornado with maximum wind speeds near 80 MPH moved southeast across the "Almo Heights" area. Three houses sustained roof damage, mainly due to trees falling on them. The storm that spawned the tornado displayed excellent supercellular characteristics on radar throughout its path across Calloway County. Videotape of the storm's funnel cloud was shown on local media outlets. The funnel again briefly touched down in eastern Calloway County

Calloway County

5 E Murray

23 1804CST
1805CST 0.2 20 0 0 4K Tornado (F0)

The supercell thunderstorm that produced the F-1 tornado near Almo Heights in Calloway County generated another weaker, short-lived tornado between Murray and Hamlin. Spotters and sheriff deputies chasing the funnel cloud clearly observed multiple brief touchdowns in open fields and woodlands. Tree limbs were torn off. There was no structural damage. The path width was estimated to be no more than 50 feet wide.

Calloway County

.5 SSE Midway to
1 NNE Midway

26 1730CST
1734CST 1.5 300 0 4 250K Tornado (F2)

The peak intensity of the tornado was rated F-2, with estimated maximum winds near 125 MPH. Although the tornado was only on the ground for a mile or two, it struck the small community of Midway directly, causing extensive damage. Two mobile homes housing migrant workers were destroyed. One of the persons in a mobile home was seriously injured. Three others sustained relatively minor injuries. A used car dealership and a grocery store sustained major damage to roofs and walls. Several additional homes, mobile homes, and barns received moderate to major damage. Numerous trees in the area were downed or uprooted. U.S. Highway 641 was closed for about 18 hours south of Murray due to debris and power lines across the road. The owner of the grocery and an attached home estimated his losses at just under 100,000 dollars.

MISSOURI, Southeast

Bollinger County

6 E Marble Hill

23 1848CST
1849CST 0.3 20 0 0 Tornado (F0)

A spotter reported the funnel cloud "went down and back up." The path length was very short in a rural area.

Scott County

2 N Blodgett

23 2004CST 0.2 30 0 0 Tornado (F0)

A trained spotter reported a funnel cloud briefly touched down in open rural farm country. There was no apparent damage. Large hail with the associated thunderstorm caused most of the damage.

Bollinger County

2 N Sturdivant to
2.5 NNE Sturdivant

26 1404CST
1407CST 1.5 150 0 0 75K Tornado (F1)



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Southeast

The tornado caused moderate to heavy damage to one residence, and minor damage to a second residence. Tree limbs were speared into walls of the heavily damaged home. Three storage buildings and a horse barn were destroyed. A number of trees were uprooted

New Madrid County

**5 W Portageville to
4.5 W Portageville**

26	1420CST 1422CST	0.5	40	0	0	20K	Tornado (F0)
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State highway patrol officers reported a brief tornado along Highway 162 between Gideon and Portageville. Telephone poles were down, and a large barn was destroyed.



National Weather Service

Storm Data and Unusual Weather Phenomena



June 2000

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Southeast

Cape Girardeau County

1 S Dutchtown to 1.2 SSE Dutchtown	26	1236CST 1241CST	0.2	30	0	0			Tornado (F0)
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A weak tornado was caught on videotape over southern Cape Girardeau County in the Dutchtown area. The thunderstorm cell which produced this weak tornado was very small and short-lived. No damage was reported since the funnel cloud touched down very briefly in an open field.



National Weather Service

Storm Data and Unusual Weather Phenomena



October 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Property Damage	Crops	Character of Storm
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ILLINOIS, South

Hardin County

4 N Cave In Rock

05

1652CST
1653CST

0.2

30

0

0

Tornado (F0)

A brief tornado touchdown was observed along Route 1, 4 to 5 miles north of the community of Cave-In-Rock. Due to the very remote nature of the area, within the Shawnee National Forest, no damage could be confirmed. The parent thunderstorm displayed very strong tornadic characteristics on radar.



National Weather Service

Storm Data and Unusual Weather Phenomena



May 2001

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property Damage	Crops	

ILLINOIS, South

Perry County

7 N Pinckneyville

31 1545CST
1546CST 0.1 30 0 0 0 Tornado (F0)



The brief touchdown was in rural country, with no apparent damage.

A weak tornado briefly touched down in a wooded area of rural Perry County. The tornado was extensively photographed by the general public. Despite an extensive check of the area by local authorities, no damage was found



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2001

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

INDIANA, Southwest

Spencer County

1 NE Gentryville

29 1637CST 0.1 10 0 0 Tornado (F0)

A trained spotter observed a funnel cloud dip below the treeline before dissipating. No damage was observed. The tornado was not associated with a strong or severe thunderstorm.



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South

Jefferson County

3 SSE Waltonville	18	1702CST 1703CST	0.1	30	0	0			Tornado (F0)
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A supercell thunderstorm tracked east-southeast across southern Jefferson County. The storm produced a weak tornado that lasted for less than a minute. Evidence of the tornado consisted of damage to a corn field, strong rotation depicted on doppler radar, and an eyewitness account. Peak winds in the tornado were estimated at 70 MPH.

MISSOURI, Southeast

Scott County

1 NE Tanner	07	1620CST	0.1	30	0	0			Tornado (F0)
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A funnel cloud persisted over southwestern Scott County for several minutes. The funnel cloud was not associated with well-developed thunderstorms. Law enforcement personnel reported there was a brief touchdown in open fields, with no known damage.



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2001

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

MISSOURI, Southeast

New Madrid County

1 SW Parma to
2 NW Risco

02	1227CST 1239CST	1.5	30	0	0	Tornado (F0)
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A weak tornado touched down intermittently over open farm country between Risco and Parma. Spotters and police officers visually tracked the tornado for about 10 minutes as it moved slowly southwest. No damage occurred. The parent shower or thunderstorm moved slowly west.



National Weather Service

Storm Data and Unusual Weather Phenomena



October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

ILLINOIS, South

White County

.5 W Springerton to Springerton	24	1440CST 1441CST	0.5	50	0	0	50K		Tornado (F0)
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A weak, short-lived tornado with top winds of 70 to 75 MPH caused extensive damage in Springerton. Numerous trees and power poles were snapped, some landing on homes and businesses. Roofs were blown off several homes, front porches were blown off, and a few machine sheds were blown away. Many headstones in a local cemetery were overturned.

INDIANA, Southwest

Pike County

Petersburg	24	1535CST	0.3	40	0	0	70K		Tornado (F0)
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A weak tornado briefly touched down in Petersburg, with peak winds to 75 MPH. Two houses were unroofed, and their windows were blown out. Two car windshields were shattered by blowing debris. Metal siding was deposited in power lines. The walls of two businesses were knocked down or cracked. The damage area was mainly from 4th Street to 7th Street on the north side of Highway 57.

MISSOURI, Southeast

Scott County

1 W Lusk to 2 SE Lusk	24	1450CST 1455CST	2.5	50	0	0	100K		Tornado (F1)
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A brief tornado with peak winds of 90 MPH damaged or destroyed five sheds. A trailer home was damaged, and a light pole and several tree limbs were downed.



National Weather Service

Storm Data and Unusual Weather Phenomena



November 2001

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

Calloway County

7 W Hazel to
4 NW Murray

24 0647CST
 0700CST 11.5 300 0 4 750K 80K Tornado (F2)

A total of 45 to 50 structures were damaged or destroyed. The tornado, which tore through rural farm country, first touched down about one quarter mile inside the Tennessee state line. It moved north-northeast, directly impacting the small community of Harris Grove. The damage path ended 2 miles east of Stella, just after the tornado crossed Kentucky Highway 121. Maximum winds in the tornado were estimated at 130 MPH. The breakdown of structural damage included: Two destroyed houses, two destroyed mobile homes, two destroyed car garages, ten destroyed barns, twelve damaged homes, seven damaged mobile homes, and fourteen damaged barns. A tobacco barn, still containing its crop, was blown onto Kentucky Highway 94 west of Murray. Two of the most seriously injured, who required hospitalization for cuts and bruises, were in mobile homes. The other two injured persons were treated and released. Four mobile home residents were trapped by fallen trees and were rescued by emergency personnel.



National Weather Service

Storm Data and Unusual Weather Phenomena



January 2002

Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

KENTUCKY, Southwest

McLean County

.5 NW Calhoun to .5 NE Calhoun	23	2227CST 2230CST	1.8	500	0	0	1M		Tornado (F2)
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Top wind speeds in this F-2 tornado were estimated near 120 MPH. The damage path extended from the extreme northwest side of Calhoun to the extreme northeast side of town. A total of about 53 buildings were damaged or destroyed, of which 43 were homes and 10 were businesses. At least one home and one business was destroyed, 5 houses received major damage, and 4 businesses including a church and daycare center received major damage. The business that was destroyed was a TV antenna/satellite service on Kentucky Highway 81 at the northern city limit of Calhoun. Most of the remainder of the structures received minor damage. In addition to the damaged homes and businesses, barns, grain bins, and at least one shed were destroyed. At the city-owned cemetery, 300 to 350 tombstones were overturned, and 50 trees were uprooted.